



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/063,899	05/22/2002	Chen-Shuo Tsai	PMXP0135USA	2383

27765 7590 05/06/2003

NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE)  
P.O. BOX 506  
MERRIFIELD, VA 22116

EXAMINER

SMITH, ARTHUR A

ART UNIT

PAPER NUMBER

2851

DATE MAILED: 05/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/063,899

Applicant(s)

TSAI, CHEN-SHUO

Examiner

Arthur A Smith

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 26 February 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 May 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

Applicant's arguments, see paper 4, filed February 26, 2003, have been fully considered.

#### *Drawings*

Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance. The Examiner is aware that the Applicant has stated in paper #4 that the drawing change has been made but a copy of this change was not included.

### INFORMATION ON HOW TO EFFECT DRAWING CHANGES

#### 1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

#### 2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be

Art Unit: 2851

allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

### Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.185(a). Failure to take corrective action within the set (or extended) period will result in **ABANDONMENT** of the application.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Akimoto et al. (USPN 5680649).

In reference to claims 1, 3, 8, 9, 11, 13 and 15 Akimoto et al. discloses a camera with a focus retaining mechanism comprising: a base, ref. 1, having a cylindrical lens barrel, ref. 2,; a focusing lens mounted within the lens barrel, the focusing lens is movable in a first or a second direction along an optical axis, col. 1 lines 55-59; a retaining member, ref. 3, horizontally and movably mounted on the base for setting the focusing lens in a predetermined position, wherein the retaining member comprises a ratchet side, ref. 3b, a smooth side, a first end, ref. 3c and a second end, ref. 9b, positioned on opposite ends of the ratchet side and the smooth side, col. 3 lines 23-27; and a retaining hook, ref. 10 movably mounted on the base, the retaining hook

Art Unit: 2851

comprising a horizontal arm, which has a vertical end downwardly extending to hook the retaining member in a initial state, moving substantially over the retaining member horizontally, see fig. 2; wherein when the focusing lens moves in the first direction, the vertical end of the retaining hook contacts the first end of the retaining member and then slides along the ratchet side, col. 3 lines 45-48; when the focusing lens stops, the vertical end of the retaining hook hooks the ratchet side and thus setting the focusing lens; when the focusing lens moves to the second direction, the vertical end slides back along the smooth side to the initial state, col. 4 lines 10-34. Although Akimoto et al. does not specifically mention a smooth side it would be obvious to one of ordinary skill in the art to interpret the beginning of the cam, ref. 3, as the smooth side.

In reference to claims 2, and 10 Akimoto et al. discloses wherein the horizontal arm and the vertical end of the retaining hook are monolithically made from a flexible metallic wire, col. 3 lines 45-47 and fig. 2.

In reference to claims 4 and 5, Akimoto et al. further discloses a driving ring, ref. 11, mounted atop the retaining member; and a connecting ring, ref. 13, (connecting ring) movable mounted beneath the retaining member; wherein the driving motor urges the retaining member through the driving ring and the connecting ring, col. 4 lines 51-57.

In reference to claims 6, 7, 12, and 14 Akimoto et al. discloses where the retaining member has a arch shape with the ratchet side and the smooth side located on the arch shape, see fig. 2.

### ***Response to Arguments***

Art Unit: 2851

Applicant's arguments, see paper #4, filed February 26, 2003, have been fully considered but are not persuasive. The Applicant has argued that Akimoto et al. fails to teach the claimed limitation of a retaining hook comprising a horizontal arm with a downwardly extending vertical end, and the retaining hook that can move over the lens setting ring horizontally, so that the retaining hook can slide along the ratchet side of the lens setting ring and hook the ratchet side while the focusing lens has been moved to a proper position for shooting. However, Akimoto et al. does disclose such a retaining hook, ref. 10, that moves over the lens setting ring, ref. 11, horizontally, see col. 4 lines 17-21. The Applicant has also cited that passage to indicated that the retaining hook remains in contact with the lever, ref. 9, to provide the urging force on the hold lever during the focusing procedure. However, it is this section of the hold lever, ref. 9b, that serves as the claimed downwardly extending arm (ref. 134 of the present application). Although the retaining hook and the downwardly extending arm of Akimoto et al. are formed of two physically separate components it would have been obvious to one of ordinary skill in the art to form these components integrally. This would be obvious since it has been held that forming in one piece an article which has formerly been formed in two pieces and put together involves only routine skill in the art. The motivation for combining these two parts would to make the manufacturing process and assembly easier.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arthur A Smith whose telephone number is (703) 605

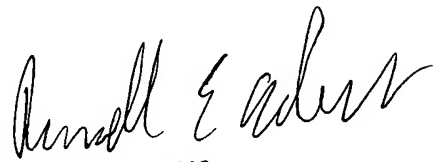
Art Unit: 2851

1228. The examiner can normally be reached on Monday - Thursday from 8:00 AM to 5:30 PM. The examiner can also be reached on alternate Fridays during the same hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russ Adams can be reached on (703) 308 2847. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872 9318 for regular communications and (703) 872 9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308 0956.

AAS  
May 4, 2003

  
RUSSELL ADAMS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800